

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:491081 CAPLUS  
DN 125:161780  
TI Cloning of a novel ubiquitin-conjugating enzyme (E2) gene from the ciliate  
Paramecium tetraurelia  
AU Okano, Satoshi; Tokushima, Hideyuki; Nakaoka, Yasuo; Shimizu, Kikuo  
CS Department of Biophysical Engineering, Faculty of Engineering Science,  
Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka, 560, Japan  
SO FEBS Letters (1996), 391(1,2), 1-4  
CODEN: FEBLAL; ISSN: 0014-5793  
PB Elsevier  
DT Journal  
LA English  
AB We isolated a 1.7 kb gene (UbcP1) for a ubiquitin-conjugating enzyme from  
a P. tetraurelia cDNA library and sequenced it. Its deduced polypeptide  
sequence consists of 425 amino acid residues (48 kDa). The UbcP1 protein  
contains novel N- and C-terminal extensions in addition to a UBC domain, and  
within the UBC domain it shares low identity with sequences of other known  
E2s. A constructed phylogenetic tree suggests that the UbcP1 protein may  
represent a member of a distinct subfamily of E2s. Southern blot anal.  
showed that the N-terminal extension of the UbcP1 is conserved in P.  
multimicronucleatum.  
IT 180391-20-2  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP  
(Properties); BIOL (Biological study); OCCU (Occurrence)  
(amino acid sequence; cloning of novel ubiquitin-conjugating enzyme  
(E2) gene from ciliate Paramecium tetraurelia)  
RN 180391-20-2 CAPLUS  
CN Enzyme, E2 (ubiquitin-carrier) (Paramecium tetraurelia strain 51s gene  
UbcP1) (9CI) (CA INDEX NAME)

SEQ 1 MGGMYFKEEE LSRIGAVNAF FSAFADKTLA FEFNHIVKLV WFESFITDKC  
51 DFTNDFNNFI KLVDASPRG GTKCYDAIAY AIEQLKEIKK KYPNIILRII  
101 ALTDGDDNQS KENPQSLVNR IFENQIIIDS FVVNDCVGL KTLTHATNGR  
151 CYCPQTLAEG MSLFEIESIL SISHREQKEY PKELQDLNSL KDKPFDTDGM  
201 KVVSM DVQKI AVMKKEEILK KISQIESAPQ NSSSTSQSVN NTARILKELQ  
251 DVTAQGDKLN FKCYPTADDI KTWKILLYGP KGTVYEGGLY ILSYVFTQNY  
301 PFRPPKVQFI TKLYHPNVSR GGSCLCLDVNL TSWSPLLTTT KVLDVSVML  
351 QNP NADDALD CNIAAIYKHE PELFKQNALK EKLEAASPSE DNLLADILGA  
401 VDINSQEYLD TKKELQTWLE YQKSN

*Position  
1854*

=> d his

(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)

FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005  
S QE HIGV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005  
L1 60 S VMKKEE/SQSP

FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005  
L2 32 S L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005  
L3 37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005  
L4 26 S L3

L14

11 SEA L13 AND PY<2001  
D 1-11 TI  
D 1-11 BIB AB HITSEQ

L5 FILE 'REGISTRY' ENTERED AT 12:49:02 ON 01 NOV 2005  
36 S IGVMKK/SQSP  
L6 FILE 'CAPLUS' ENTERED AT 12:49:04 ON 01 NOV 2005  
22 S L5  
L7 FILE 'REGISTRY' ENTERED AT 12:49:05 ON 01 NOV 2005  
22 S HIGVMK/SQSP  
L8 FILE 'CAPLUS' ENTERED AT 12:49:08 ON 01 NOV 2005  
12 S L7  
L9 FILE 'REGISTRY' ENTERED AT 12:49:08 ON 01 NOV 2005  
25 S EHIGVM/SQSP  
L10 FILE 'CAPLUS' ENTERED AT 12:49:11 ON 01 NOV 2005  
15 S L9  
L11 FILE 'REGISTRY' ENTERED AT 12:49:12 ON 01 NOV 2005  
22 S QEHIGHV/SQSP  
L12 FILE 'CAPLUS' ENTERED AT 12:49:14 ON 01 NOV 2005  
12 S L11  
L13 60 S L12 OR L10 OR L8 OR L6 OR L4 OR L2  
L14 11 S L13 AND PY<2001

=> d his full

(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)  
FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005  
S QEHIGHV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G  
L1 FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005  
60 SEA VMKKEE/SQSP  
L2 FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005  
32 SEA L1  
L3 FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005  
37 SEA GVMKKE/SQSP  
L4 FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005  
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L13 60 SEA L12 OR L10 OR L8 OR L6 OR L4 OR L2

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51 DFTNDFNNFI KLVDDASPRG GTKCYDAIAY AIEQLKEIKK KYPNIILRII  
101 ALTDGDDNQS KENPQSLVNR IFENQIIIDS FVVNNDCVGL KTLTHATNGR  
151 CYCPQTLAEG MSLFEIESIL SISHREQKEY PKELQDLNSL KDKPFDTDGM  
201 KVVSMQVQKI AVMKKEEILK KISQIESAPQ NSSSTSQSVN NTARILKELQ  
251 DVTAQGDKLN FKCYPTADDI KTWKILLYGP KGTVEYEGGLY ILSYVFTQNY  
301 PFRPPKVQFI TKLYHPNVSR GGSCLCLDVLN TSWSPLLTTT KVLDVSVML  
351 QNPNAADDALD CNIAAIYKHE PELFKQNALK EKLEAASPSE DNLLADILGA  
401 VDINSQEYLD TKKELQTWLE YQKSN

*Positive*  
*1854*

=> d his

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FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005  
S QEHIGV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

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32 S L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005  
37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005  
26 S L3

11-1

201	DIDPLTTLKY	ILSLNDQLYD	TADVILLEV	HLFKKLYIPH	VFDDSYLLIN
251	DEKDDDDEN	NDENNDKESD	EEDDHGDDHN	DYNINSNLKE	EEKYKYNND
301	PIYDENKNNK	ENNLDDYKKI	NNIHNITSNE	RYSQSTNHIY	TQNNKIGDXY
351	KYISNKSNNV	IHKNEYKEL	GEELNLLSED	INFKQKKLNE	NNYNQYKNHV
401	IKILLNMLSK	NVSYSVLYEG	ACCLLYMSTS	ALSIKTACEC	FIKLLINQHD
451	NNIKLIVIDK	LYYIMCKWKN	ILENYAMDLL	RALNFPSPDI	KVKILNLVLH
501	VLTKRNVHLV	LNVLKKEKLL	LNDQVVYTKH	IITTTNNNNN	NTNMNMSNNN
551	NDNNDNNNNN	NNNNNNNNNN	NNSNNNSSNN	NNNNLSTNYQ	EVTSYKKILI
601	KSLQHICNLY	SSECLHIVDL	LLIYVNHNEQ	DINYEAACVI	RKLVKNNNFQ
651	NNILEKMIDS	IFDIKKATIL	RIFFWVIGQY	MFNEHMIINF	LNNLYDNLSP
701	LLNNSLENDM	INKIQNERFK	KNGNINFNLS	NSNIQTKTVI	LEDGTATEA
751	FLKNQNICNK	NNDKNKENTF	VYNILYENDD	ILLSVICVSL	TKLYLKLLSK
801	MNNSFDFILN	QNEIICSKEK	KEMKHS�IKH	EHFLNHVTNN	NTLDTEECVI
851	SKDPNRISTN	SENKITEHDI	NEYRNKCIYI	LASIIKYIGE	KNSKPDSNNI
901	YEYDSNVIRI	NQCLKIFFYL	TANKKELDEQ	SKKLIKIFID	GDYYYNKFLE
951	KEEEKYCSIY	GSNYKYMKNR	NMYANKTNGG	NKTFDGNNTF	DGNNTFDGNN
1001	TFDGNNILEK	STYSRNKLFL	NDQGEKENVD	DDIYFRVLKE	KKNILNMLDE
1051	ETSSVCINEN	LEKLKLYTL	NNDMLFEENE	FQYPSIKYNY	SSLFLAKLYN
1101	SQILGTDDDD	IFIEALPIIS	NVNLIIEIYV	YNQSNVYLQN	IYINLSTHGN
1151	LKPIDKIPEF	NLAPNEKKKF	KISVKVHTTE	AGIIFGVVYF	ERKNDNHKNY
1201	IVLNLHINM	TDYINASFIS	SHLFRIMWSE	FEWENKINI	TSIRDAPELL
1251	KLIKNTNMT	IVERFMPLEY	YDMEIKNNVN	QVNISPIDIY	ISYSTLEDL
1301	KCLVNNSAFF	SVNLFSRSIF	GEDSLANLSV	QKSADGKLSG	SIRVRSRTQV
1351	RKNKTKQNK	QKNKPDGYIT	LLYGIALSLG	DKLTLLQTGI	NADM

.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

D L2 20 TI BIB HITSEQ

ANSWER 20 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
Localization and function of five glutamate transporters cloned from the  
salamander retina  
1998:369436 CAPLUS  
129:146956  
Localization and function of five glutamate transporters cloned from the  
salamander retina  
Eliasof, Scott; Arriza, Jeffrey L.; Leighton, Barbara H.; Amara, Susan G.;  
Kavanaugh, Michael P.  
Vollum Institute L-474, Oregon Health Sciences University, Portland, OR,  
97210, USA  
Vision Research (1998), 38(10), 1443-1454  
CODEN: VISRAM; ISSN: 0042-6989  
Elsevier Science Ltd.  
Journal  
English  
203212-47-9, Amino acid transporter, glutamate-transporting 2B  
(Ambystoma tigrinum gene sEAAT2B)  
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological  
study, unclassified); PRP (Properties); BIOL (Biological study); OCCU  
(Occurrence); PROC (Process)  
(amino acid sequence; localization and function of five glutamate  
transporters cloned from the salamander retina)  
203212-47-9 CAPLUS  
Glutamate transporter 2B (Ambystoma tigrinum gene sEAAT2B) (9CI) (CA  
INDEX NAME)

1	MTNNVEIPLS	DGHHHHLALE	SLPIKDCCSK	RCGWLTRNLL	LILTIGGVIL
51	GSVFGTLLRL	LPPLDSNIVL	LISFPGDILM	RMLKMLILPL	VISSLISGLA
101	GLDAKSSGRM	GTRAMVYMS	TTILAAVLGV	ILVLSIHPGN	PKLKKQVSIS
151	TKNEEVSSLD	AFLDLIRNLF	PENLVQACFQ	QIQTVSKKVP	VTPSPHELLN
201	QVNISVSQSN	SSMLNSTTAE	GNAGPTMVTQ	KKLEFKAGMN	VLGLIGFFIA
251	FGIAMGKMGE	QARLMADFFN	ILNEIIMKLV	NMIMWYSPFG	IACLICGKIA
301	AIKDLEVVAR	QLGMYMVTVI	VGLVIHGGIV	LPLIFFSITR	TNPYTFYGGI

*Porter*  
1967

351 FQAWITALGT ASSAGTLPVT FRCLEENLKI DKRVTRFVLP IGATINMDGT  
401 ALYEAVAAIF IAQMNDVSLD GGQIATVSLT ATLASVGAAS IPSAGLVTML  
451 LILTAVGLPT QDISLLIAVD WLLDRMRTSI NVVGDSFGAG ILYHLSKAEL  
501 AAIDAKHEAS KEGGKLHLMN HEAAQKHPSD GMSSPPFSGY TSLPTYEYEA  
551 HEKQESLFGH EDDGEEPWST SRNSNEKKME D

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT